

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1259 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	29/06/92	<b>Elevation:</b>	320 metres
<b>Map Ref.:</b>	Sheet No. : 8059 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7858582 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	392497 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

#### Geology

<b>Exposure Type:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	180 degrees

**Surface Soil Condition (dry):** Self-mulching

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Dermosol Medium Slightly gravelly Clayey Clayey Shallow		<b>Principal Profile Form:</b>	Uf6.31
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Red clay

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Heteropogon contortus, Chloris virgata, Digitaria species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus erythrophloia

Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

**Surface Coarse Fragments:** 2-10%, coarse gravelly, 20-60mm, subrounded, Quartz

#### Profile Morphology

A1	0 - 0.13 m	Dark brown (7.5YR3/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt change to -
B2	0.13 - 0.4 m	Dark reddish brown (5YR3/4-Moist); Mottles, 5YR31, 2-10% , Distinct; Mottles, 2-10% ; Medium clay (Heavy); Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; 2-10%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.2); Clear change to -
C	0.4 - 0.75 m	Brown (7.5YR5/4-Moist); ; Clay loam; Weak grade of structure; Sandy (grains prominent) fabric; 50-90%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.55);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable		CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na	Acidity					%
						Cmol (+)/kg						

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
										%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile